SECTION 09110
NON-LOAD BEARING WALL FRAMING SYSTEMS

PART 1 - GENERAL

1.1 QUALITY ASSURANCE

A. Wherever a fire resistance classification is indicated for walls or partitions, provide studs and accessories of type tested and listed for construction indicated.

B. Installation in accordance with: ASTM-C754.

C. Studs: ASTM-C645.

D. Galvanizing: ASTM-A653/A653M.

1.2 SUBMITTALS

A. Project information:
   1. Manufacturer of listed products.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Acceptable manufacturers:
   1. Non-load bearing framing components:
      a. Base:
         1) Unimast.
      b. Optional:
         1) Dale/Incor.
         2) Dietrich Industries.
         3) Domtar Gypsum.
         4) National Gypsum.
         5) Clark Steel Framing Systems.
   2. Other manufacturers desiring approval comply with Document 00440.

B. Metal studs, screw type: Roll formed channel studs and tracks.
   1. Thickness: 25 GA, except as follows:
      a. At jambs of openings: Two 20 GA studs.
      b. Where partition height requires heavier section, to accommodate span within L:240 deflection at load of 5 PSF, use heavier studs.
      c. Where cementitious backer board or ceramic tile or other heavy finish is applied to partition, provide minimum 20 GA studs.
   2. Sizes: As indicated.
   3. Flanges: Minimum 1-1/4 IN wide.
   4. Galvanized: ASTM-A653/A653M, G60.

C. Furring channels:
   1. 25 GA , screw type.
   2. ASTM-A653/A653M , G60.
   3. Hat shaped sections.

D. Wire ties: 18 GA , soft annealed, galvanized.

E. Fasteners for runners: Power driven type, to withstand minimum 190 LB shear when driven.

PART 3 - EXECUTION

3.1 INSPECTION

A. Examine supporting structure and conditions under which system will be installed.

B. Correct conditions detrimental to proper installation.

C. Installation constitutes acceptance of responsibility for performance.

3.2 INSTALLATION

A. Provide continuous runner tracks sized to match studs.
   1. Align runners accurately at both floor and top.
   2. Secure runner tracks to structure not over 24 IN on center.
   3. Secure at corners and ends.

B. Where partitions abut horizontal or vertical structural elements, provide slip or cushion type joint between partition and structure.

C. Where partition is fire or smoke rated, extend to structure above, with fire and smoke resistant joint treatment, see Section 07270.

D. Space studs maximum 16 IN on center.
   1. Provide additional studs at corners, partition intersections and terminations of partitions, and at both sides of control joints.

E. Positively attach studs to runners with 3/8 IN self tapping pan head screws or stud clinching tool on both flanges of each stud, top and bottom, or as required by fire resistance design.

F. At openings provide 2 full length studs, toe to toe, at each jamb.
   1. Securely attach jamb studs to door frames.
   2. Install cut-to-length section of runner at wall areas above and below openings.
      a. Split flanges and bend webs at ends.
      b. Overlap and screw attach to jamb studs.
   3. Install cut to length intermediate studs between jamb studs at head and sill sections at same spacing as full length studs.
   4. To provide for control joints at openings, install additional stud, maximum 1/2 IN from jamb studs.
      a. Do not fasten extra stud to track or jamb stud.

G. Align stud openings to facilitate running of wires and conduit.

H. Install snap on framing clips for structural steel members in accordance with manufacturer's recommendations.

I. Horizontally stiffen partitions over 14 FT high:
   1. Use continuous 3/4 IN furring channels spaced not over 54 IN OC vertically.
   2. Run channels through stud knockouts and wire tie to each stud or secure as recommended by manufacturer.

J. Remove oil residue from metal studs with detergent solution before installation of gypsum board or other finish material.

END OF SECTION